Wide Bandwidth and Deep Memory RF/Baseband Signal Analyzers and Generators

The Aeroflex CS9000 Broadband Signal System (BSS) will be shown for the first time at AUTOTESTCON in Orlando this week. The CS9000 BSS is the premier test system for signal generation and recording for simulation and analysis of advanced communications signals in extreme environments. An integrated, modular system comprised of the operational elements of Aeroflex's Broadband Signal Analyzer and Generator (BSAG), the CS9000 BSS provides the widest bandwidth and deepest memory modular RF/baseband test system on the market today.

Unlike other test systems, the CS9000 BSS can simultaneously generate, monitor, analyze, and record hours of complex signals and signal environments. Markets for the CS9000 BSS include analysis of complex radio signal environments, RADAR and electronic warfare development, military and space applications, EMI (electromagnetic interference) and EME (electromagnetic environment) monitoring.

The CS9000 BSS is a modular turnkey RF test system that is unmatched in analysis, recording, and playback of wide bandwidth signals. With market-leading instantaneous RF bandwidths of 60 and 400 MHz and burst rates up to 500,000 bursts per second, the CS9000 BSS is the only product that combines a broadband RF source and a broadband analyzer into one cohesive package. Competitive approaches cobble together systems from a variety of test equipment that is difficult and time-consuming to integrate and debug.

The CS9000 BSS eliminates risk by guaranteeing first-pass success. The success of the Aeroflex broadband signal generation and analysis platform is passed on through years of building systems preferred by the U.S. military, prime contractors, and space programs.

With its small footprint, modular functionality, and integrated hardware and software, the CS9000 BSS replaces an entire bench of equipment—including spectrum analyzers, oscilloscopes, power meters, and logic analyzers. The CS9000 BSS also eliminates the need to use randomly developed software analysis tools that often introduce integration problems into the customer's test system.

Signal Safari 2010™ is the demonstration version of the latest evolution of Aeroflex's time-tested software suite, providing advanced multi-domain analysis and data generation capabilities for wireless communication R&D, RF system testing, complex signal analysis, and satellite communication link testing. Signal Safari 2010 showcases software that has been designed for use with Aeroflex broadband measurement instruments, including broadband signal and environment generators, analyzers, and analysis workstations.

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